

FILEID**DUMPFAOLN

DDDDDDDD	UU	UU	MM	MM	PPPPPPPP	FFFFFF	AAAAAA	000000	LL	NN	NN
DDDDDDDD	UU	UU	MM	MM	PPPPPPPP	FFFF	AAAAAA	000000	LL	NN	NN
DD	DD	UU	UU	MMMM	MMMM	PP	FF	AA	00	00	LL
DD	DD	UU	UU	MMMM	MMMM	PP	FF	AA	00	00	LL
DD	DD	UU	UU	MM	MM	PP	FF	AA	00	00	LL
DD	DD	UU	UU	MM	MM	PP	FF	AA	00	00	LL
DD	DD	UU	UU	MM	MM	PPPPPPPP	FFFF	AA	00	00	LL
DD	DD	UU	UU	MM	MM	PPPPPPPP	FFFF	AA	00	00	LL
DD	DD	UU	UU	MM	MM	PP	FF	AAAAAAA	00	00	LL
DD	DD	UU	UU	MM	MM	PP	FF	AAAAAAA	00	00	LL
DD	DD	UU	UU	MM	MM	PP	FF	AA	00	00	LL
DD	DD	UU	UU	MM	MM	PP	FF	AA	00	00	LL
DDDDDDDD	UUUUUUUUUU	UUUUUUUUUU	MM	MM	PP	FF	AA	000000	LLLLLLLL	NN	NN
DDDDDDDD	UUUUUUUUUU	UUUUUUUUUU	MM	MM	PP	FF	AA	000000	LLLLLLLL	NN	NN

LL	IIIIII	SSSSSSS
LL	IIIIII	SSSSSSS
LL	II	SS
LL	IIIIII	SSSSSSS
LL	IIIIII	SSSSSSS

DUMP\$FAO_LINE
Table of contents

, format one line

K 13

16-SEP-1984 01:26:20 VAX/VMS Macro V04-00

Page 0

(2) 50 DUMP\$FAO_LINE, format one line

0000 1 .TITLE DUMPSFAO_LINE, format one line
0000 2 .IDENT 'V04-000'
0000 3 ---
0000 4 *****
0000 5 *
0000 6 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
0000 7 * DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
0000 8 * ALL RIGHTS RESERVED.
0000 9 *
0000 10 * THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
0000 11 * ONLY IN ACCORDANCE WITH THE TERMS OF SUCH LICENSE AND WITH THE
0000 12 * INCLUSION OF THE ABOVE COPYRIGHT NOTICE. THIS SOFTWARE OR ANY OTHER
0000 13 * COPIES THEREOF MAY NOT BE PROVIDED OR OTHERWISE MADE AVAILABLE TO ANY
0000 14 * OTHER PERSON. NO TITLE TO AND OWNERSHIP OF THE SOFTWARE IS HEREBY
0000 15 * TRANSFERRED.
0000 16 *
0000 17 *
0000 18 * THE INFORMATION IN THIS SOFTWARE IS SUBJECT TO CHANGE WITHOUT NOTICE
0000 19 * AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
0000 20 * CORPORATION.
0000 21 *
0000 22 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0000 23 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0000 24 *
0000 25 *
0000 26 *****
0000 27 *
0000 28 **
0000 29 * FACILITY:
0000 30 * File dump utility.
0000 31 *
0000 32 * ABSTRACT:
0000 33 * This module contains the routine to format one line.
0000 34 *
0000 35 * ENVIRONMENT:
0000 36 * VAX native, user mode.
0000 37 *
0000 38 * AUTHOR: Benn Schreiber, Stephen Zalewski CREATION DATE: 22-Jun-1981
0000 39 *
0000 40 * MODIFIED BY:
0000 41 *
0000 42 * V02-001 MLJ0033 Martin L. Jack, 23-Aug-1981 9:48
0000 43 * Minor cleanup to finish implementation.
0000 44 *
0000 45 **
0000 46 *
0000 47 *
0000 48 .PSECT \$CODE\$,EXE,NOWRT

format one line
DUMPSFAO_LINE, format one line

```

0000 50      .SBTTL DUMPSFAO_LINE, format one line
0000 51      :
0000 52      Format one line of dump listing
0000 53      :
0000 54      Inputs:
0000 55      04(ap) = pointer to data to be dumped
0000 56      08(ap) = number of entries per line
0000 57      12(ap) = size of one entry
0000 58      16(ap) = byte-offset value for side of line
0000 59      20(ap) = number of entries in buffer
0000 60      24(ap) = 0: longword, 1: word, 2: byte
0000 61      28(ap) = address of descriptor for FAO control string
0000 62      32(ap) = address of descriptor for output buffer
0000 63      :
0000 64      :
003C 65      .entry dump$fao_line, "M<R2,R3,R4,R5>
53 08 AC 7D 0002 66      movq 8(ap),r3      : R3 = entries per line, R4 = size of entry
54 53 C4 0006 67      mull2 r3,r4      : compute number of bytes this line
10 AC DD 0009 68      pushl 16(ap)      : push index to print on right hand side
04 AC DD 000C 69      pushl 4(ap)      : push buffer address
54 DD 000F 70      pushl r4      : push number of bytes
52 14 AC DD 0011 71      movl 20(ap),r2      : get number of entries in line
08 AC 52 D1 0015 72      cmpl r2,8(ap)      : see if more than one line's worth
04 15 0019 73      bleq 10$      : if leq no
52 08 AC DD 001B 74      movl 8(ap),r2      : yes, use max for one line
51 04 AC DD 001F 75 10$:  movl 4(ap),r1      : copy input data pointer
50 18 AC DD 0023 76      movl 24(ap),r0      : get/test field width
13 13 0027 77      beql 40$      : if eql then longwords
08 50 E8 0029 78      blbs r0,30$      : branch if words
002C 79      :
002C 80      push bytes onto stack
002C 81      :
7E FA 81 9A 002C 82 20$:  movzbl (r1)+,-(sp)      : push one byte
52 F5 002F 83      sobgtr r2,20$      : do them all
0D 11 0032 84      brb 50$      : go call fao
0034 85      :
0034 86      push words onto stack
0034 87      :
7E FA 81 3C 0034 88 30$:  movzw1 (r1)+,-(sp)      : push one word
52 F5 0037 89      sobgtr r2,30$      : do them all
05 11 003A 90      brb 50$      : go call fao
003C 91      :
003C 92      push longwords onto stack
003C 93      :
FB 81 DD 003C 94 40$:  pushl (r1)+      : push one longword
52 F5 003E 95      sobgtr r2,40$      : do them all
0041 96      :
0041 97      call SFAO
0041 98      :
20 AC 6E 9F 0041 99 50$:  pushab (sp)      : push address of arg list
DD 0043 100      pushl 32(ap)      : push output buffer descr. addr
6E DD 0046 101      pushl (sp)      : also for output width
1C AC 04 FB 0048 102      pushl 28(ap)      : push fao control string addr
04 004B 103      calls #4,g$sys$faol      : call sys$faol to format string
0052 104      ret
0053 105      :
0055 106      .end

```

00000000'GF 04

DUMPSFILE LINE Symbol table

, format one line

N 13

16-SEP-1984 01:26:20 VAX/VMS Macro V04-00
5-SEP-1984 00:22:55 [DUMP.SRC]DUMPFAOLN.MAR;1

Page 3
(2)

DUMPSFAO_LINE 00000000 RG 01
SYSSFAOL ***** X 01

! Psect synopsis !

PSECT NAME

Allocation PSECT No. Attributes

ABS .
\$CODES 00000000 (0.) 00 (0.) NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
00000053 (83.) 01 (1.) NOPIC USR CON REL LCL NOSHR EXE RD NOWRT NOVEC BYTE

! Performance indicators !

Phase

Page faults CPU Time Elapsed Time

	Page	Results	Start Time	Stop Time
Initialization	29	00:00:00.08	00:00:01.09	
Command processing	133	00:00:00.36	00:00:04.77	
Pass 1	72	00:00:00.28	00:00:02.47	
Symbol table sort	0	00:00:00.00	00:00:00.00	
Pass 2	36	00:00:00.17	00:00:01.07	
Symbol table output	2	00:00:00.00	00:00:00.00	
Psect synopsis output	1	00:00:00.02	00:00:00.02	
Cross-reference output	0	00:00:00.00	00:00:00.00	
Assembler run totals	275	00:00:00.91	00:00:09.42	

The working set limit was 900 pages.

1493 bytes (3 pages) of virtual memory were used to buffer the intermediate code.

There were 10 pages of symbol table space allocated to hold 2 non-local and 5 local symbols.

106 source lines were read in Pass 1, producing 14 object records in Pass 2.

0 pages of virtual memory were used to define 0 macros.

! Macro library statistics !

Macro Library name

Macros defined

\$255\$DUA28:[SYSLIB]STARLET.MLB:2

9

0 GETS were required to define 0 macros.

There were no errors, warnings or information messages.

MACRO/LIS=L1SS:DUMPFAOLN/OBJ=OBJ\$:DUMPFAOLN MSRC\$:DUMPFAOLN/UPDATE=(ENH\$:DUMPFAOLN)

0123 AH-BT13A-SE
VAX/VMS V4.0

DIGITAL EQUIPMENT CORPORATION
CONFIDENTIAL AND PROPRIETARY

